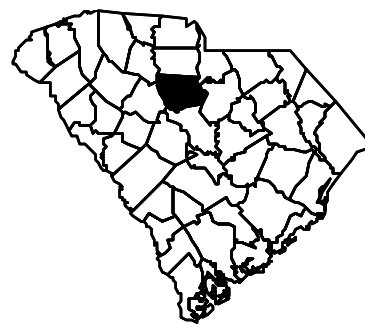


# ASTHMA IN FAIRFIELD COUNTY



Produced by the S.C. Department of Health and Environmental Control for Asthma Awareness Month

May 2003

## Impact of Asthma in the United States

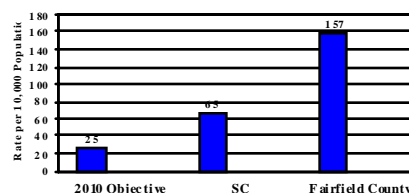
- U.S. asthma lifetime cases more than doubled from an estimated 6.7 million to 31.3 million between 1980 and 2001.
- Costs for asthma have almost tripled from an estimated \$6.2 billion in 1990, to over \$16 billion in 2001.
- Five million U.S. children are asthmatic, more than the entire population of South Carolina.
- 4,222 people died of asthma in 2001.

- In 2001, there were 35 asthma hospitalizations of children (<18 years) in Fairfield county.
- Healthy People 2010 Objective for asthma hospitalizations among children under age 5 years is 25 per 10,000 children.
- Fairfield county had a rate of 157 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 65 per 10,000 children.

## Asthma in South Carolina

- Annually about 264,000 South Carolinians suffer from asthma.
- In 2001, 1.2% (5,785) of ALL hospitalizations were for asthma.
- Asthma claimed the lives of 77 South Carolinians in 2001.

Comparison of Asthma Hospitalization Rates, Children Aged 0-5, Fairfield County, 2001



Data Source: Office of Research & Statistics

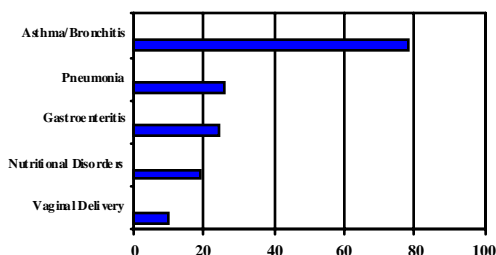
## Impact of Asthma in Fairfield County

- About 1,612 (6.8%) adults in Fairfield county suffer annually from asthma.
- In 2001, there were 63 hospitalizations for asthma in Fairfield county for all ages.

## Children Suffer the Most from Asthma

- Asthma/Bronchitis is the leading cause of hospitalization in Fairfield county for children under the age of 18.

Leading Causes of Hospitalization in Children Aged 0-18, Fairfield County, 2001

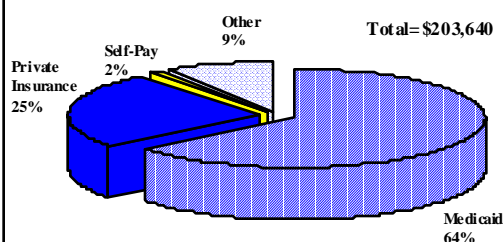


Data Source: Office of Research & Statistics

## Cost of Asthma

- \$203,640 was charged in 2001 for hospital and ER visits in Fairfield county for asthmatic children (<18 years).
- Medicaid covered over 64% of these charges.

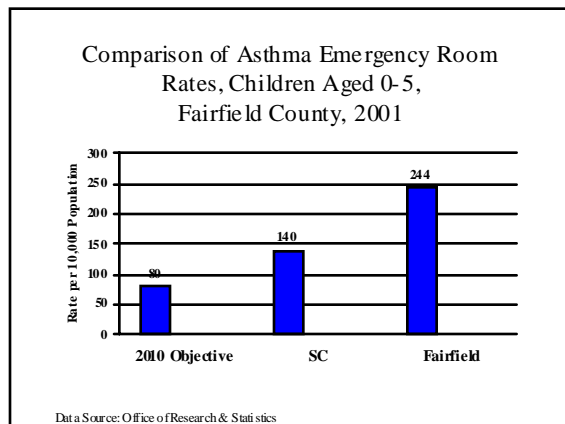
Percent Distribution of Asthma Related ER & Hospitalization Charges of Children Aged 0-18, Fairfield County, 2001



Data Source: Office of Research & Statistics

## Emergency Room

- 99 children under the age of 18 visited the ER due to asthma in Fairfield county in 2001. This represents 43% of all ER visits due to asthma.
- \$41,880 was charged for ER visits in Fairfield county for asthmatic children (< 18 years) in



2001.

- Healthy People 2010 Objective for asthma related ER visits among children under age 5 years old is 80 per 10,000 children.
- Fairfield county had an ER rate of 244 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 140 per 10,000 children.

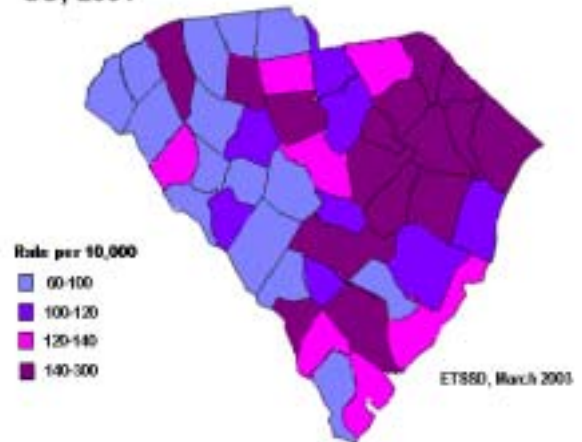


## Disparities

- Non-white children under the age of 18 visit ER more frequently than white children in the same age group.
- The hospitalization rate among non-white children is slightly higher than white children.

Hospital and Emergency Room Rates per 10,000 Children (< 18 years), 2001				
	Fairfield County		South Carolina	
	White	Black	White	Black
Hospital	40.2	63.8	19.2	41.5
ER	103.3	189.2	46.0	155.5

Asthma Related Hospital and ER Visits  
Rate for Children Younger than 18  
SC, 2001



### For more information on asthma contact:

SC DHEC Data Sources:

#### Behavior Risk Factor Surveillance System

Bureau of Epidemiology  
(803) 545-4920

#### Vital Records

Division of Biostatistics  
(803) 898-3649

#### Bureau of Air Quality

Outreach Section  
(803) 898-4467

[www.scdhec.net](http://www.scdhec.net)

Generated By:

Epi Technical Support and Services Division  
Bureau of Epidemiology

### Hospital discharges and ER visits, contact:

Office of Research and Statistics  
SC Budget and Control Board  
1919 Blanding Street  
Columbia, SC 29201  
(803) 898-9958



[www.orss.state.sc.us/hd/](http://www.orss.state.sc.us/hd/)

